16th RA Bill (1 month)

012-22-000004

M. A. R. 57 (Rule 116) No. E

(1)

Measurement Book

Serial No. Annual maintenance & strengthening of package D-1 in Kannagandanahalli surrounding area ward no 12 684584

Name of work .....

From 01-11-2023 To 30-11-2023

Name of Contractor of nature of Agency M/s CHIKKANNA & C.CHETHAN ELECTRICALS

Date of commencement of work EE/Ele/D2/Tend/SAG/21/2022-23 EE/Ele/D2/Tend/Stro/27/2022-23 dt 24/03/2023

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1.	Operation & Maintenance of Street lighting System including replacement of damaged/failed/fused/cut components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches, wires holders, Starters, and Switching ON/OFF of Street lights at Specified timing and pole numbering, Preparing ward wise Street wise data bank furnishing maintenance reports every day etc, complete so as to ensure efficient burning of Street lights detailed in tender documents for various type of Street lighting Systems as detailed below 36/40w fluorescent tube light Street lighting System.	20 nos	X Rs 57.12	X 1 month	=		1142.40

Assistant Engineer (Ele)
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Dasarahalli Zone, Bengaluru

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
2.	Operation & maintenance of Street lighting Systems including replacement of damaged/failed/fused out components like lamps, Tubes, Chokes, Ignitors, Capacitors, Switches, wires, Holders, Starters & Switching ON/OFF of Street lights at Specified timing & pole numbering, Preparing ward wise, Street wise data bank furnishing maintenance reports, every day etc, Complete so as to ensure efficient burning of Street lights detailed in tender documents for various type of Street lighting Systems as detailed below 125W HPMV Pole lighting System	22m	× Rs 63.00	× 1 month =		1386.44	
3.	Operation & Maintenance of Street lighting System including replacement of damaged/failed/fused out components like lamps, Tubes, Chokes, Ignitors, Capacitors, & Switches, wires, Holders, Starters & Switching ON/OFF of Street lights at Specified						

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M. A. R. 57 (Rule 116) **No. E**
Measurement Book

Serial No. .....
684585
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	timing & pole numbering, Preparing ward wise, Street wise data bank furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of Street lights detailed in tender documents for various type of Street lighting Systems as detailed below Poles with 250W HPSV Street lighting System	178 nos	× Rs 84.95	× 1 month =		15121.10	
4	Operation & Maintenance of Street lighting System including replacement of damaged/failed/fused out components like lamps, Tubes, Chokes, Ignitors, Capacitors Switches, wires, Holders, Starters & Switching ON/OFF of Street lights at Specified timing & Pole numbers						

Assistant Engineer (Ele)
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Dasarahalli Zone, Bengaluru

ASST EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

EE (Ele)
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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
–	numbering, preparing ward wise, Street wise data banks furnishing maintenance reports, every day etc, complete so as to ensure efficient burning of Street lights detailed in tender documents for various type of Street lighting systems as detailed below 400 watts HPSV Street light / High mast lighting systems.	80m	x 6	93.17	x 1month =		7453.60
5	Operation & maintenance of LED Street lighting system including replacement of damaged / failed / fused out components like LED drivers, MCPCB, Surge protective device, Switches, wires, Holders, Starters. Observing weather proofing technic confirming to IP 65 Standards and Switching ON/Off of Street lights at						

Assistant Engineer (Ele)
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Dasarahalli Zone, Bengaluru

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Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

684586

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Specified timing and pole numbering, preparing ward wise, Street wise Street light data banks, furnishing maintenance reports, every day etc, Complete so as to ensure efficient burning of Street lights detailed in tender documents for 24 watts to 40 watt LED pods / Street lighting Systems.	4no	x 6	73.33	x 1month =		293.32
6.	Operation & maintenance of LED Street lighting System including replacement of damaged / failed / fused out components like LED drivers, MCPCB, Surge protective device Switches, wires, Holders, Starters						

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Dasarahalli Zone, Bengaluru

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Dasarahalli Zone, Bangalore

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Observing weather, proofing technic Confirming to IP65 Standards and Scheduling ON/Off of Street lights at Specified timing & pole numbering Preparing ward wise, Street wise Street light data bank, furnishing maintenance reports, every day etc, Complete so as to ensure efficient burning of Street lights detailed 90 tender documents for 90 watt to 65W LED Street light lighting system						
		350 no's × 8	95.61 × 1 MONTH =				33463.50
7	Operation & maintenance of LED Street lighting System including replacement of damaged/ faired/ fused out components like LED drivers, MCPCB, Surge protective device batteries, wire, holders, Starter, closer wiring, assistant Engineer (Ele) technic confirming to						

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Dasarahalli Zone, Bengaluru

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Bruhath Bangalore Mahanagara Palike

M. A. R. 57 (Rule 116) No. E 684587
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	IP65 Standards and Scheduling ON/OFF of Street lights at Specified timing and pole numbering Preparing ward wise, Street wise Street light data bank, furnishing maintenance reports, every day etc, Complete so as to ensure efficient burning of Street lights detailed 90 tender documents for 90 W LED street light lighting system.						
		90 no's × 8	95.61 × 1 month =				10332.00
			114.80			Total (-)	205282.26
							24633.87
							180648.39
	① 12% GST Deduction					+	32516.71
	② 18% GST Add						213165.10

Assistant Engineer (Ele)
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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	③ Fine Imposed for non	bearing	Steering	Wheel	of NOV mbr-22		213165.10
	④ 2% deduction for released	Scrap	Item	OFC		(-)	1800-00
				24/11/23			4263.30
						Grand total	207101.80
	Certificate						
	① The above said maintenance	work	has been	carried out			
	satisfactory						
	② The amount claimed in this bill has not been claimed						
	in any of the previous bills						
	Assistant Engineer (Ele)						
	Bruhath Bengaluru Mahanagara Palike						
	Dasarahalli Zone, Bengaluru						
	ASST. EXECUTIVE ENGINEER (Ele)						
	Bruhath Bangalore Mahanagara Palike						
	Dasarahalli Zone, Bangalore.						

M. A. R. 57 (Rule 116) No. E 684588

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Allowed and admitted for Rs. 213165/-						
	Passed by Cheque for Rs. 198611/-						
	(One lakh ninety eight thousand						
	Six hundred eleven only)						
	by adjustment Rs. 14554/-						
	Accounts Superintendent Exe. Engineer (Ele)						
	B.B.M.P. Dasarahalli Division						

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